

FAQs about Statistics Course and Scope

Que- What is the Scope of Statistics?

Ans-Statistics is definitely a lucrative career option. In a business environment, where business is becoming more and more data oriented, people who have graduated with a degree in statistics are much sought after. From studies on the demographics of a country to study about the environment, statistics is an integral part of it. With a bachelor's degree in Statistics, one can become a business analyst, research officer, data analyst or even an investigator. Statisticians are also required in the government sector to work on studies and research on consumer prices, fluctuations in the economy, employment patterns, population trends, etc. Tests are being conducted almost every year at the Union Public Service Commission to recruit officers in the Indian Statistical Services. In the private sector, statistical manpower is required in marketing, insurance, and information technology. Students can write other competitive exams for government services as well. UPSC, Bank PO, Civil Services, Indian Statistical Services and Indian Economic Services exams ... etc. There is a separate service for people with statistics background, Indian Statistical Service. With a degree in Statistics you can work in various fields such as Agriculture, Computer Science, Animal Population, Health Science, Census, automobile, pharmaceutical, computer software companies, etc.

Que- Tell us about B.Sc (hons) Statistics Course?

Ans-B.Sc (hons) Statistics is a four-year undergraduate course in statistics which focuses on the collection, meaningful segregation, and interpretation of collected data. The curriculum of BSc (hons) Statistics is designed to teach students subjects like sampling techniques, Statistical Inference, Probability and Probability Distributions, Regression Analysis. After graduation, you can use statistics in various fields such as business, industry, agriculture, government, private, computer science, scientific, health sciences and other disciplines. Students can pursue courses like master in sciences, actuarial sciences. Graduating in statistics opens up a variety of career opportunities for students.

Que- What are Career Opportunities after done B.Sc. (hons) Statistics?

Ans-Statistics is one field which can open many doors to student's career, from psychology to banking. Here we listed some of the most common options taken up by students after completing their graduation.

Higher studies options after B.Sc (hons) Statistics

- M.Sc Actuarial science
- M.Sc. in Library and Information Science
- M.Sc. in Quantitative Economics
- MCA
- Masters in Math
- Masters in Statistics #
- MBA #
- P.G. Diploma in Stat. Methods with Applications
- Specialist Development Program in SQC
- JRF & SRF Rules
- Junior/Senior Research Fellowship
- Masters in Financial Statistics or Masters in Data Analytics
- Masters in economics

- Masters in Commerce
- Master environment or any other arts field
- **Law:** students can pursue bachelor's in law after completing your bachelor's in statistics. Institutes like Faculty of Law, Delhi University provides 3 years bachelor's degree in law.
- Students can even go up to M.Phil or PhD courses if they prefer.

Masters in Statistics: there are many universities that offer this course. Students can apply in Indian universities (DU, IITs, Indian Statistical Institutes etc) and Foreign universities as well. For foreign universities, students will have to write an exam known as GRE.

Masters in Management (MBA): you can write management exams like CAT, GMAT, XAT, TISS etc.

Que- Can we do other certification course after B.Sc. (hons) in Statistics instead go for post-graduation course?

Ans-Other certification courses after B.Sc (hons) in Statistics

- Certificate/Diploma course in Computer Programming and Applications.
- Part-time Certificate/Diploma course in SQC
- Intensive course in Programming and Application of Electronic Computers
- Part-time course in Statistical Methods and Applications
- Part-time course in SQC

Que- Please tells us about some Job titles, Job Areas, Recruiters (IT Sector & Govt.) and also about the duties of Statistician after complete our education in Statistics?

Ans-Job Titles:

- *Statisticians*
- *Business Analyst*
- *Statistics Investigator Officers*
- *Statistical Officers*
- *Professor/Lecturar*
- *Risk Analyst*
- *Data Analyst*
- *Content Analyst*
- *Statistic Trainer*
- *Data Scientist*
- *Consultant*
- *Biostatistician*
- *Econometrician*
- *Researcher/Research Associates*
- *Senior/Junior Research Associates*

Job Areas:

- Census
 - Ecological
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- Medical
 - Election
 - Crime
 - Education
 - Film
 - Cricket
 - Tourism
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Recruiters:

- Deloitte Consulting
 - TCS Innovations Labs
 - Blue Ocean Marketing
 - BNP Paribas India
 - Neilson Company
 - Accenture
 - HP
 - GE Capital
 - HDFC
 - Cognizant
 - American Express
 - RBI
 - HSBC
 - Indian Market Research Bureau
 - Genpact
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Duties of a Statistician:

- Collecting and analysing the data.
 - To design experiments or surveys to collect the required data.
 - Applying statistical methods to solve practical problems in business, science and other fields.
 - Writing reports and articles of their analysis.
 - Presenting results to clients or authorities.
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Que- Can we apply for jobs in Government Sector after complete our B.Sc. (H) Statistics Course?

Ans- Jobs in Government Sector after B.Sc. (H) in Statistics

In the government sector, UPSC carries out entrance exam as to recruit candidates to the Indian Statistical Services. For this a Masters in Statistics or math's is required to apply for the post. The SSC also carries out a recruitment process as to appoint eligible candidates in to the Statistical Investigators post. The Private sector also require qualified Statisticians in the Insurance, IT and software fields. Some of the most renowned global Statistical organizations are Euro-stat, IAOS, OECD, PARIS21 and UNESCO.

Que- Please tells us some Government organizations in the statistics sector in India with the recent job openings?

Ans- Government organizations in the statistics sector in India

Even though, most of the government organizations operating in different sectors have their own statistics departments, there are some statistical organizations as well in the statistics sector in India and the names of these organizations are given below:

- Agricultural Statistics Research Institute
- Ministry of Statistics and Programme implementation

Recent job openings for candidates in the field of Statistics:

In addition to the aforesaid government organizations, different organizations has recently recruited candidates for the field of statistics and the names of these organizations and the positions for which applications were invited are given below:

- Research Associate – Indian Agricultural Statistics Research Institute
- Senior Research Fellow – Indian Agricultural Statistics Research Institute
- Statistician – Bank of India
- Statistical Assistant – Tamil Nadu Public Service Commission
- Block Health Statistician - Tamil Nadu Public Service Commission
- Bio-statistics Research Officer – All India Institute of Medical Sciences.